

DERWENT-ACC-NO: 1997-142870

DERWENT-WEEK: 199713

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TITLE: **Solar cell** module with stable power generating ability comprises a series of connected cells with a polyurethane sealing resin carried on the surface to eliminate need for backing glass

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PRIORITY-DATA: 1995JP-169403 (July 5, 1995)

PATENT-FAMILY:

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|---------------|------------------|----------|
| PUB-NO | PUB-DATE | LANGUAGE |
| JP 09023018 A | January 21, 1997 | JA |

APPLICATION-DATA:

| | | |
|--------------|-----------------|---------------|
| PUB-NO | APPL-DESCRIPTOR | APPL-NO |
| APPL-DATE | | |
| JP 09023018A | N/A | 1995JP-169403 |
| July 5, 1995 | | |

INT-CL-CURRENT:

| TYPE | IPC | DATE |
|------|------------|----------|
| CIPP | C08L75/04 | 20060101 |
| CIPS | C08G18/72 | 20060101 |
| CIPS | C08G18/73 | 20060101 |
| CIPS | C08L75/00 | 20060101 |
| CIPS | C09D175/00 | 20060101 |
| CIPS | C09D175/04 | 20060101 |
| CIPS | H01L31/04 | 20060101 |

ABSTRACTED-PUB-NO: JP 09023018 A

BASIC-ABSTRACT:

A solar battery module comprises several solar battery cells electrically connected to one another and sealed with an aliphatic and/or alicyclic polyurethane resin on a substrate. The polyurethane resin is prep'd.

by curing
a mixt. of a polyisocyanate with a polyol at ratio NCO/OH 0.8-1.2.

ADVANTAGE - The cell battery module does not decrease its power generating ability over a long time and has excellent shock resistance using a proper polyurethane resin. When a hard urethane resin is coated onto the surface, a surface or back glass can be eliminated, resulting in a light-wt. solar battery module.

TITLE-TERMS: **SOLAR CELL** MODULE STABILISED POWER GENERATE ABILITY COMPRIZE

SERIES CONNECT POLYURETHANE SEAL RESIN CARRY SURFACE
ELIMINATE NEED

BACKING GLASS

DERWENT-CLASS: A25 A85 L03 U12

CPI-CODES: A05-G01E2; A10-D; A12-E11B; L03-E05B;

EPI-CODES: U12-A02A4E;

ENHANCED-POLYMER-INDEXING:

Polymer Index [1.1]

018 ; G1854*R G1843 D01 F73 G1945*R D10*R D13*R; G2131 D01 D23
D22 D31
D42 D50 D77 D86 F43 R01295 5938; G1025 G0997 D01 D11 D10 D50 D82
F28 F26
R00822 21; P1638 P1592 F77 D01; P0931*R P1592 P0839 H0260 H0011
H0044
F41 F77 D01 D63; H0033 H0011; L9999 L2528 L2506; L9999 L2824;
P0055;

Polymer Index [1.2]

018 ; ND01; Q9999 Q7341 Q7330; Q9999 Q8968*R; B9999 B4842
B4831 B4740;
B9999 B4159 B4091 B3838 B3747; Q9999 Q7114*R; N9999 N7147
N7034 N7023;
B9999 B3792 B3747;

Polymer Index [1.3]

018 ; D01 F07*R; D01 D11 D10 D50 D61 D68 D95 Sn 4A R00415 129549
89611;
C999 C102 C000; C999 C340; C999 C306;

SECONDARY-ACC-NO:

CPI Secondary Accession Numbers: 1997-045606

Non-CPI Secondary Accession Numbers: 1997-118370

